



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11811437  
SAU: Windham School Department  
School: Windham Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

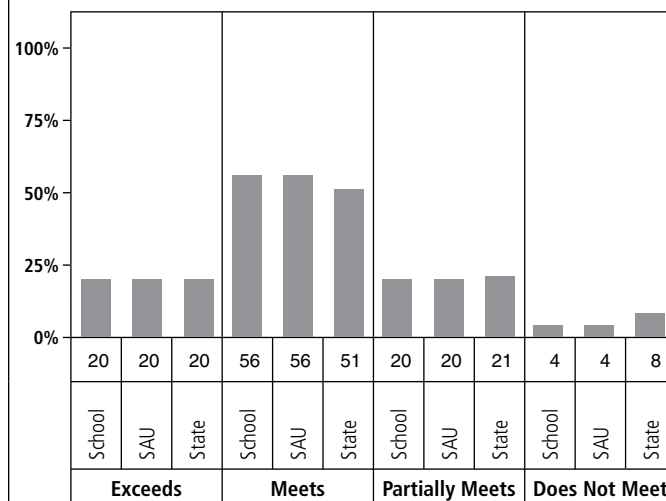
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

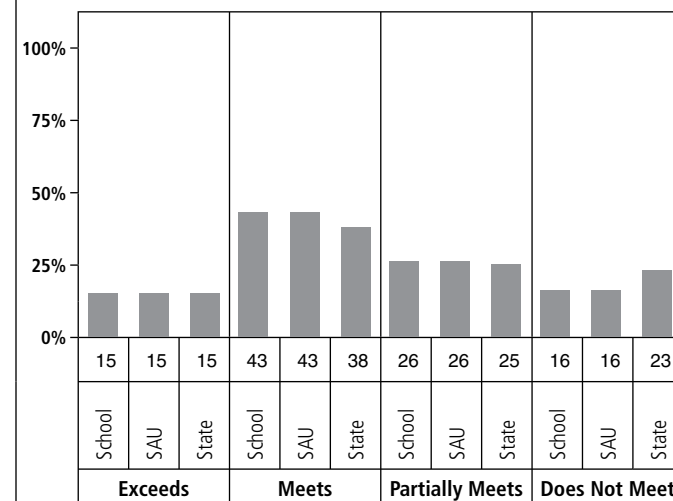
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	850	850	847
2007–2008	853	853	849
<b>2008–2009</b>	<b>851</b>	<b>851</b>	<b>850</b>
Cum. Avg.*	851	851	849
<b>Mathematics</b>			
2006–2007	843	843	842
2007–2008	843	843	841
<b>2008–2009</b>	<b>846</b>	<b>846</b>	<b>843</b>
Cum. Avg.*	844	844	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>848</b>	<b>848</b>	<b>846</b>

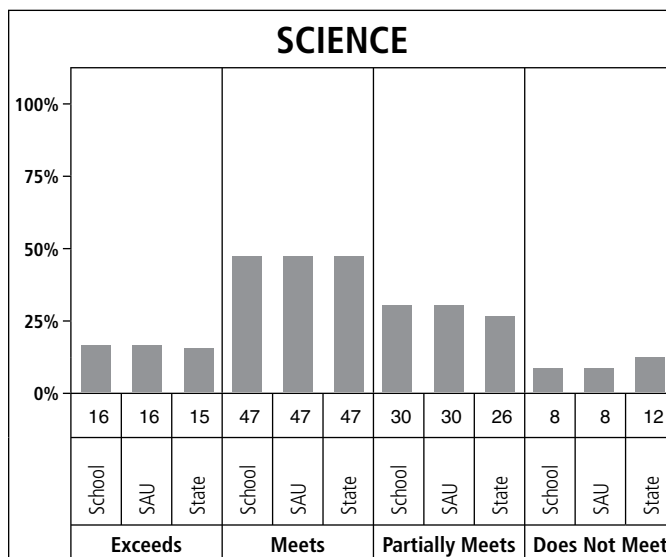
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
<b>Total number of students</b>	190	100	190	100	14804	100	190	100	190	100	14659	99	190	100	190	100	14653	99	189	99	189	99	14626	99
<b>Ethnicity</b> African American/Black	3	2	3	2	377	3	3	100	3	100	366	97	3	100	3	100	371	98	3	100	3	100	367	97
American Indian or Native Alaskan	1	1	1	1	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	2	1	2	1	238	2	2	100	2	100	232	97	2	100	2	100	234	98	2	100	2	100	234	98
Hispanic	3	2	3	2	192	1	3	100	3	100	188	98	3	100	3	100	191	100	3	100	3	100	190	99
Caucasian/White	181	95	181	95	13878	94	181	100	181	100	13756	99	181	100	181	100	13742	99	180	99	180	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	26	14	26	14	2489	17	26	100	26	100	2434	99	26	100	26	100	2424	98	25	96	25	96	2418	98
<b>Current LEP</b>	3	2	3	2	349	2	3	100	3	100	331	95	3	100	3	100	342	98	3	100	3	100	338	97
<b>Economically disadvantaged</b>	33	17	33	17	5460	37	33	100	33	100	5380	99	33	100	33	100	5377	99	32	97	32	97	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
<b>Participation without accommodations</b>	164	86	164	86	12132	82	164	86	164	86	12124	82	164	86	164	86	12169	82
Identified disability (PET/IEP)	4	2	4	2	379	3	4	2	4	2	380	3	4	2	4	2	425	3
LEP	3	2	3	2	166	1	3	2	3	2	169	1	3	2	3	2	168	1
504 plan	2	1	2	1	200	2	2	1	2	1	200	2	2	1	2	1	202	2
<b>Participation with accommodations</b>	25	13	25	13	2349	16	25	13	25	13	2347	16	25	13	25	13	2288	15
Identified disability (PET/IEP)	21	84	21	84	1877	80	21	84	21	84	1862	79	21	84	21	84	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	1	4	1	4	70	3	1	4	1	4	70	3	1	4	1	4	66	3
Other	4	16	4	16	292	12	4	16	4	16	297	13	4	16	4	16	280	12
<b>Participation through alternate assessment (PAAP)</b>	1	1	1	1	178	1	1	1	1	1	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	1	1	1	1	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	34	17	34	17	2407	16
	2007-2008	58	26	58	26	3428	23
	<b>2008-2009</b>	<b>38</b>	<b>20</b>	<b>38</b>	<b>20</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	130	21	130	21	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	108	53	108	53	7494	49
	2007-2008	119	54	119	54	7179	48
	<b>2008-2009</b>	<b>106</b>	<b>56</b>	<b>106</b>	<b>56</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	333	54	333	54	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	46	23	46	23	3628	24
	2007-2008	31	14	31	14	2706	18
	<b>2008-2009</b>	<b>38</b>	<b>20</b>	<b>38</b>	<b>20</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	115	19	115	19	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	14	7	14	7	1810	12
	2007-2008	13	6	13	6	1611	11
	<b>2008-2009</b>	<b>7</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	34	6	34	6	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	36.5	65.2	36.5	65.2	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.6	63.0	12.6	63.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.9	66.4	23.9	66.4	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Windham School Department  
 School: Windham Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	189	38	20	106	56	38	20	7	4	851	189	20	56	20	4	851	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	3										3						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	2										2						231	28	43	19	10	851
Hispanic	3										3						186	17	48	23	12	847
Caucasian/White	180	36	20	100	56	37	21	7	4	851	180	20	56	21	4	851	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	2	8	9	36	10	40	4	16	842	25	8	36	40	16	842	2256	2	25	40	34	834
No	164	36	22	97	59	28	17	3	2	852	164	22	59	17	2	852	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	3										3						324	5	34	36	26	838
No	186	38	20	104	56	37	20	7	4	851	186	20	56	20	4	851	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	32	3	9	20	63	7	22	2	6	847	32	9	63	22	6	847	5277	10	46	29	15	844
No	157	35	22	86	55	31	20	5	3	852	157	22	55	20	3	852	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	189	38	20	106	56	38	20	7	4	851	189	20	56	20	4	851	14476	20	51	21	8	850
<b>Gender</b>																						
Female	73	18	25	45	62	7	10	3	4	854	73	25	62	10	4	854	7074	25	51	18	6	852
Male	116	20	17	61	53	31	27	4	3	849	116	17	53	27	3	849	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	189	38	20	106	56	38	20	7	4	851	189	20	56	20	4	851	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	0										0						700	69	30	1	0	867
No	189	38	20	106	56	38	20	7	4	851	189	20	56	20	4	851	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: Windham School Department

School: Windham Middle School

QUESTIONNAIRE ITEMS	School										SAU						State												
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score							
		%	N	%	N	%	N	%	N														%	%	%	%	%	%	%
How much homework do you do on school nights?																													
A. none	3	0	0	3	50	3	50	0	0	840	3	0	50	50	0	840	8	8	39	29	24	841							
B. less than one hour	50	18	19	53	56	19	20	4	4	850	50	19	56	20	4	850	51	17	53	22	8	849							
C. one to two hours	40	16	21	44	58	14	18	2	3	853	40	21	58	18	3	853	36	24	52	18	5	852							
D. more than two hours	6	4	33	5	42	2	17	1	8	853	6	33	42	17	8	853	5	29	45	18	9	852							
Which of the following best describes how you rate yourself as a student in reading?																													
A. very good	34	25	40	34	54	3	5	1	2	857	34	40	54	5	2	857	31	35	50	11	4	856							
B. good	49	11	12	60	65	19	20	3	3	850	49	12	65	20	3	850	47	16	55	21	7	849							
C. fair	13	2	8	10	40	12	48	1	4	843	13	8	40	48	4	843	18	5	47	33	15	842							
D. poor	4	0	0	2	29	3	43	2	29	836	4	0	29	43	29	836	3	2	39	37	22	839							
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																													
A. The questions on the test match what I have learned in reading class.	28	17	33	28	54	5	10	2	4	855	28	33	54	10	4	855	32	27	54	14	5	853							
B. They match some of what I have learned.	56	18	17	63	60	22	21	2	2	851	56	17	60	21	2	851	52	18	53	22	8	850							
C. They match just a little of what I have learned.	14	2	8	12	46	9	35	3	12	844	14	8	46	35	12	844	12	11	45	29	15	844							
D. There is no match.	3	1	20	3	60	1	20	0	0	850	3	20	60	20	0	850	4	6	34	33	26	838							
How difficult was the reading part of this test?																													
A. more difficult than my regular schoolwork	19	3	9	17	49	14	40	1	3	845	19	9	49	40	3	845	15	13	42	28	17	844							
B. about the same as my regular schoolwork	57	14	13	66	63	19	18	5	5	850	57	13	63	18	5	850	64	19	53	20	7	850							
C. easier than my regular schoolwork	24	21	49	17	40	4	9	1	2	858	24	49	40	9	2	858	22	25	52	16	6	852							
How difficult were the reading passages on this test?																													
A. Most of the passages were more difficult than what I normally read.	10	3	16	7	37	8	42	1	5	845	10	16	37	42	5	845	8	6	34	34	26	838							
B. Most of the passages were about the same as what I normally read.	50	3	3	64	69	21	23	5	5	847	50	3	69	23	5	847	52	14	54	24	8	848							
C. Most of the passages were easier than what I normally read.	39	31	42	34	47	7	10	1	1	857	39	42	47	10	1	857	40	30	53	13	4	855							
How hard did you try on the reading part of this test?																													
A. I tried harder on this test than I do on my regular schoolwork.	27	9	18	27	54	12	24	2	4	850	27	18	54	24	4	850	39	19	50	22	9	849							
B. I tried about the same as I do on my regular schoolwork.	68	28	22	70	55	25	20	4	3	851	68	22	55	20	3	851	54	21	53	19	7	851							
C. I did not try as hard on this test as I do on my regular schoolwork.	5	1	11	7	78	0	0	1	11	850	5	11	78	0	11	850	7	12	46	27	15	845							
How much time do you spend reading at home each day?																													
A. more than one hour	13	6	25	15	63	3	13	0	0	855	13	25	63	13	0	855	19	26	53	15	6	853							
B. 20 minutes to an hour	37	20	29	40	57	8	11	2	3	854	37	29	57	11	3	854	40	25	52	17	6	852							
C. less than 20 minutes	16	7	23	14	47	8	27	1	3	852	16	23	47	27	3	852	15	18	51	21	10	849							
D. I rarely read at home.	34	5	8	35	56	19	30	4	6	846	34	8	56	30	6	846	26	7	50	30	13	844							
How do you feel about the following statement?																													
“My knowledge of reading will be useful to me as an adult.”																													
A. strongly agree	39	19	26	45	61	9	12	1	1	854	39	26	61	12	1	854	42	27	51	15	6	853							
B. agree	53	18	18	53	53	26	26	3	3	849	53	18	53	26	3	849	50	15	53	23	9	848							
C. disagree	7	1	8	6	46	3	23	3	23	842	7	8	46	23	23	842	7	8	46	32	14	843							
D. strongly disagree	1	0	0	1	100	0	0	0	0	852	1	0	100	0	0	852	2	6	39	35	21	840							
Optional school/SAU question																													
A.	67	1	25	2	50	1	25	0	0	851	67	25	50	25	0	851													
B.	33	0	0	1	50	1	50	0	0	849	33	0	50	50	0	849													
C.	0										0																		
D.	0										0																		

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	29	14	29	14	1952	13
	2007-2008	29	13	29	13	1657	11
	<b>2008-2009</b>	<b>28</b>	<b>15</b>	<b>28</b>	<b>15</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	86	14	86	14	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	74	37	74	37	5870	38
	2007-2008	95	43	95	43	5956	40
	<b>2008-2009</b>	<b>82</b>	<b>43</b>	<b>82</b>	<b>43</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	251	41	251	41	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	62	31	62	31	3982	26
	2007-2008	55	25	55	25	3729	25
	<b>2008-2009</b>	<b>49</b>	<b>26</b>	<b>49</b>	<b>26</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	166	27	166	27	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	37	18	37	18	3534	23
	2007-2008	42	19	42	19	3579	24
	<b>2008-2009</b>	<b>30</b>	<b>16</b>	<b>30</b>	<b>16</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	109	18	109	18	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	30.4	54.3	30.4	54.3	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	4.4	55.0	4.4	55.0	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	9.0	56.3	9.0	56.3	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	5.3	44.2	5.3	44.2	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	11.6	58.0	11.6	58.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Windham School Department  
 School: Windham Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	189	28	15	82	43	49	26	30	16	846	189	15	43	26	16	846	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	3										3						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	2										2						233	27	33	20	21	847
Hispanic	3										3						190	8	31	26	34	836
Caucasian/White	180	27	15	77	43	49	27	27	15	846	180	15	43	27	15	846	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	1	4	4	16	8	32	12	48	830	25	4	16	32	48	830	2242	2	12	22	63	824
No	164	27	16	78	48	41	25	18	11	848	164	16	48	25	11	848	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	3										3						336	6	18	26	51	829
No	186	28	15	82	44	47	25	29	16	846	186	15	44	25	16	846	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	32	4	13	8	25	10	31	10	31	839	32	13	25	31	31	839	5270	6	30	28	36	835
No	157	24	15	74	47	39	25	20	13	847	157	15	47	25	13	847	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	189	28	15	82	43	49	26	30	16	846	189	15	43	26	16	846	14466	15	38	25	23	843
<b>Gender</b>																						
Female	73	6	8	41	56	17	23	9	12	846	73	8	56	23	12	846	7070	15	39	25	22	843
Male	116	22	19	41	35	32	28	21	18	846	116	19	35	28	18	846	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	189	28	15	82	43	49	26	30	16	846	189	15	43	26	16	846	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	189	28	15	82	43	49	26	30	16	846	189	15	43	26	16	846	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	2	33	1	17	3	50	835	3	0	33	17	50	835	8	8	24	24	44	833
B. less than one hour	50	10	11	42	45	23	24	19	20	844	50	11	45	24	20	844	51	12	38	26	23	842
C. one to two hours	40	17	22	31	41	22	29	6	8	849	40	22	41	29	8	849	36	19	40	23	19	845
D. more than two hours	6	1	8	6	50	3	25	2	17	843	6	8	50	25	17	843	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	24	16	36	12	27	11	25	5	11	853	24	36	27	25	11	853	28	33	41	15	11	852
B. good	53	8	8	57	58	21	21	12	12	846	53	8	58	21	12	846	45	11	43	25	21	842
C. fair	21	3	8	12	31	14	36	10	26	839	21	8	31	36	26	839	21	3	27	35	35	834
D. poor	3	1	20	0	0	2	40	2	40	835	3	20	0	40	40	835	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	25	11	23	14	29	16	33	7	15	847	25	23	29	33	15	847	28	23	41	21	15	848
B. They match some of what I have learned.	62	16	14	57	49	26	22	18	15	846	62	14	49	22	15	846	52	13	40	25	21	843
C. They match just a little of what I have learned.	11	1	5	10	48	6	29	4	19	844	11	5	48	29	19	844	16	8	28	30	34	836
D. There is no match.	2	0	0	1	33	1	33	1	33	836	2	0	33	33	33	836	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	36	5	7	31	46	20	30	11	16	844	36	7	46	30	16	844	32	6	34	29	32	837
B. about the same as my regular schoolwork	51	14	15	44	46	23	24	15	16	845	51	15	46	24	16	845	52	13	41	25	20	843
C. easier than my regular schoolwork	13	9	38	6	25	6	25	3	13	853	13	38	25	25	13	853	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	11	16	30	43	20	29	8	12	847	37	16	43	29	12	847	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	56	16	15	45	43	26	25	18	17	846	56	15	43	25	17	846	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	6	1	8	4	33	3	25	4	33	839	6	8	33	25	33	839	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	59	21	19	48	43	26	23	16	14	847	59	19	43	23	14	847	34	18	40	22	20	845
B. two or three days a week	32	6	10	25	42	17	28	12	20	844	32	10	42	28	20	844	35	14	38	26	21	843
C. two or three times each month	6	1	8	5	42	4	33	2	17	842	6	8	42	33	17	842	18	12	37	27	24	841
D. never or almost never	3	0	0	3	60	2	40	0	0	843	3	0	60	40	0	843	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	3	1	17	3	50	0	0	2	33	846	3	17	50	0	33	846	9	13	38	23	26	841
B. two or three days a week	33	4	7	25	41	18	30	14	23	840	33	7	41	30	23	840	17	11	37	26	26	841
C. two or three times each month	41	15	20	31	41	19	25	11	14	848	41	20	41	25	14	848	28	15	40	25	20	844
D. never or almost never	24	8	18	21	48	12	27	3	7	850	24	18	48	27	7	850	46	16	36	24	23	843
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	46	15	17	36	41	26	30	10	11	848	46	17	41	30	11	848	52	19	41	22	18	846
B. agree	46	11	13	40	47	20	23	15	17	845	46	13	47	23	17	845	39	11	35	27	27	840
C. disagree	6	2	18	2	18	2	18	5	45	837	6	18	18	18	45	837	6	7	28	26	39	835
D. strongly disagree	2	0	0	4	100	0	0	0	0	852	2	0	100	0	0	852	3	4	25	28	43	832
Optional school/SAU question																						
A.	67	0	0	2	50	1	25	1	25	844	67	0	50	25	25	844						
B.	33	1	50	1	50	0	0	0	0	855	33	50	50	0	0	855						
C.	0										0											
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Windham School Department  
School: Windham Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	30	16	30	16	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	88	47	88	47	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	56	30	56	30	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	15	8	15	8	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	33.1	59.1	33.1	59.1	32.0	57.1
<b>D. The Physical Setting</b>	31	55	17.6	56.8	17.6	56.8	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	9.7	57.1	9.7	57.1	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	8.0	57.1	8.0	57.1	7.7	55.0
<b>E. The Living Environment</b>	25	45	15.5	62.0	15.5	62.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Windham School Department  
 School: Windham Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	189	30	16	88	47	56	30	15	8	848	189	16	47	30	8	848	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	3										3						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	2										2						230	20	44	23	13	848
Hispanic	3										3						184	9	45	29	16	842
Caucasian/White	180	30	17	82	46	53	29	15	8	848	180	17	46	29	8	848	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	1	4	7	28	13	52	4	16	839	25	4	28	52	16	839	2221	3	22	36	38	832
No	164	29	18	81	49	43	26	11	7	849	164	18	49	26	7	849	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	3										3						331	4	20	39	37	832
No	186	30	16	88	47	54	29	14	8	848	186	16	47	29	8	848	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	32	3	9	10	31	14	44	5	16	841	32	9	31	44	16	841	5184	6	40	33	21	840
No	157	27	17	78	50	42	27	10	6	849	157	17	50	27	6	849	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	189	30	16	88	47	56	30	15	8	848	189	16	47	30	8	848	14258	15	47	26	12	846
<b>Gender</b>																						
Female	73	7	10	42	58	21	29	3	4	849	73	10	58	29	4	849	6953	14	47	28	11	846
Male	116	23	20	46	40	35	30	12	10	847	116	20	40	30	10	847	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	189	30	16	88	47	56	30	15	8	848	189	16	47	30	8	848	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	189	30	16	88	47	56	30	15	8	848	189	16	47	30	8	848	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
 Grade: 8  
 SAU: Windham School Department  
 School: Windham Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	0	0	4	67	0	0	2	33	841	3	0	67	0	33	841	8	8	34	28	30	837
B. less than one hour	50	12	13	42	45	31	33	9	10	846	50	13	45	33	10	846	51	14	48	27	11	846
C. one to two hours	40	18	24	32	42	22	29	4	5	850	40	24	42	29	5	850	36	19	48	24	9	848
D. more than two hours	6	0	0	9	75	3	25	0	0	849	6	0	75	25	0	849	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	36	19	28	33	49	14	21	1	1	854	36	28	49	21	1	854	23	27	47	17	8	851
B. good	44	11	14	40	49	24	30	6	7	847	44	14	49	30	7	847	53	15	50	26	10	847
C. fair	16	0	0	13	43	13	43	4	13	839	16	0	43	43	13	839	20	4	43	35	18	840
D. poor	3	0	0	2	33	2	33	2	33	837	3	0	33	33	33	837	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	21	9	24	17	45	9	24	3	8	850	21	24	45	24	8	850	26	20	49	23	9	849
B. They match some of what I have learned.	54	13	13	51	52	30	30	5	5	848	54	13	52	30	5	848	51	14	48	26	11	846
C. They match just a little of what I have learned.	19	7	20	15	43	10	29	3	9	849	19	20	43	29	9	849	18	13	44	28	15	844
D. There is no match.	7	1	8	5	38	5	38	2	15	842	7	8	38	38	15	842	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	36	8	12	31	48	21	32	5	8	847	36	12	48	32	8	847	32	13	45	28	14	844
B. about the same as my regular schoolwork	53	14	15	49	51	25	26	8	8	848	53	15	51	26	8	848	56	15	49	25	11	847
C. easier than my regular schoolwork	12	7	33	7	33	7	33	0	0	854	12	33	33	33	0	854	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	39	11	15	35	49	18	25	7	10	847	39	15	49	25	10	847	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	54	16	16	47	48	31	32	4	4	849	54	16	48	32	4	849	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	7	1	8	6	46	4	31	2	15	843	7	8	46	31	15	843	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	39	4	6	35	50	26	37	5	7	844	39	6	50	37	7	844	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	28	7	14	28	55	13	25	3	6	848	28	14	55	25	6	848	23	17	49	22	12	847
C. the course(s) described in B, plus physics	22	18	45	15	38	6	15	1	3	860	22	45	38	15	3	860	21	31	44	17	7	852
D. a life science and physical science class	11	1	5	9	47	6	32	3	16	844	11	5	47	32	16	844	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	23	13	31	14	33	13	31	2	5	852	23	31	33	31	5	852	27	23	47	20	10	849
B. agree	39	11	15	37	51	21	29	3	4	849	39	15	51	29	4	849	37	14	47	27	12	846
C. disagree	23	4	9	19	44	14	33	6	14	845	23	9	44	33	14	845	25	11	48	29	12	845
D. strongly disagree	15	2	7	18	67	5	19	2	7	847	15	7	67	19	7	847	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	30	18	33	18	33	16	29	3	5	852	30	33	33	29	5	852	31	22	46	22	10	849
B. agree	51	11	12	48	52	27	29	7	8	847	51	12	52	29	8	847	50	14	49	26	11	846
C. disagree	15	1	4	17	63	8	30	1	4	846	15	4	63	30	4	846	14	9	45	31	15	843
D. strongly disagree	5	0	0	5	56	2	22	2	22	840	5	0	56	22	22	840	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	67	0	0	3	75	0	0	1	25	844	67	0	75	0	25	844						
B.	33	0	0	2	100	0	0	0	0	849	33	0	100	0	0	849						
C.	0										0											
D.	0										0											

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
 N = Number